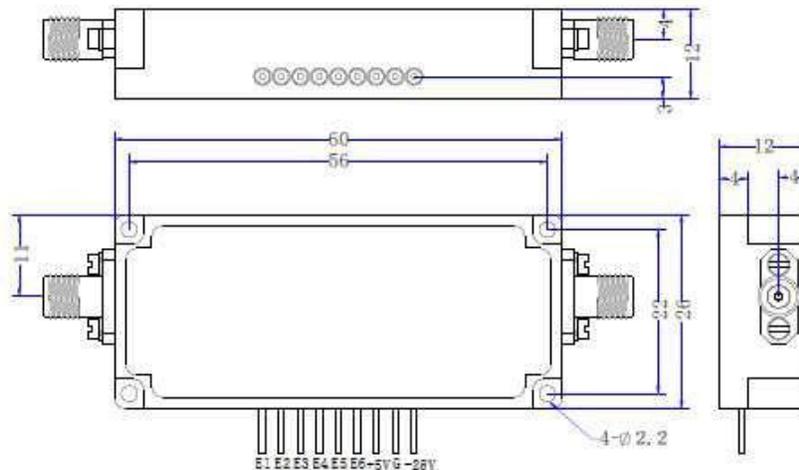


## Product Specification

### CMIPS-0912B6 6-bit Dispersive Phase Shifter

Parameters	Specifications
Freq Range	0.9-1.2 GHz
Insertion Loss	≤ 2.0 dB
VSWR	≤ 1.5:1
Phase Shift Flatness	≤ ±4° @ 1.05 GHz [center frequency]
Phase Unbalance	≤ ±3° [phase difference between different phase shifter]
Amplitude Variation	≤ ±0.3dB [caused by phase change]
Amplitude Unbalance	≤ ±0.3dB [amplitude difference between different phase shifter]
Max Input Power	≤ 550W peak; ≤ 10W CW
Control Bit	6 bit [basic phase shift degrees: 5.625°, 11.25°, 22.5°, 45°, 90°, 180°] @ 1.05 GHz [center frequency]
Power Supply	+5V[400mA], -28V[50mA]
Control Logic	6-bit TTL [0: TTL low, 1: TTL high]
Input/Output Connectors	SMA-Female
Operating Temperature	-40°C ~ 70°C
Storage Temperature	-55°C ~ 85°C
Surface Finish	Natural Color Conductive Oxidation
Dimensions	See Attached Drawing [Dimensions are in mm]



## Truth Table

E1	E2	E3	E4	E5	E6	5.625°	11.25°	22.5°	45°	90°	180°
0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	5.62°	0	0	0	0	0
0	1	0	0	0	0	0	11.25°	0	0	0	0
0	0	1	0	0	0	0	0	22.5°	0	0	0
0	0	0	1	0	0	0	0	0	45°	0	0
0	0	0	0	1	0	0	0	0	0	90°	0
0	0	0	0	0	1	0	0	0	0	0	180°
1	1	1	1	1	1	354.375°					